

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A print head ~~for~~ in a printing system, the ~~print head~~ printing system being configured to move the print head in a first print direction and a second print direction across a substrate without changing a rotational orientation of the print head relative to the substrate, the first print direction and the second print direction being nonparallel, the print head comprising:

an ejector base; and

a first plurality of ejectors mounted in the ejector base, the first plurality of ejectors being arranged in a first line, the first line being diagonal to the first print direction and the second print direction.

Claim 2 (currently amended): The print head of Claim 1, wherein the first print direction and the second print direction are orthogonal.

Claim 3 (currently amended): The print head of Claim 2, wherein the first line is at a 45° angle with respect to the first print direction and the second print direction.

Claim 4 (currently amended): The print head of Claim 1, wherein the print head is configured to print an IC pattern, wherein a first spacing between each of the first plurality of ejectors in the first print direction is an integer multiple of a first design rule of the IC pattern, and wherein a second spacing between each of the first plurality of ejectors in the second print direction is an integer multiple of a second design rule of the IC pattern.

Claim 5 (original): The print head of Claim 4, wherein the first design rule is the same as the second design rule.

Claim 6 (currently amended): The print head of Claim 1, further comprising a second plurality of ejectors mounted in the ejector base, the second plurality of ejectors being arranged in a second line, the second line being parallel to the first line, wherein each of the first plurality of ejectors and the second plurality of ejectors has a unique position in the first print direction.

Claim 7 (currently amended): The print head of Claim 6, further comprising a third plurality of ejectors mounted in the ejector base, the third plurality of ejectors being arranged in a third line, the third line being parallel to the first line, wherein each of the first plurality of ejectors and the third plurality of ejectors has a unique position in the second print direction.

Claim 8 (original): The print head of Claim 1, wherein the plurality of ejectors are configured to print a phase change material for a semiconductor process mask.

Claim 9 (original): The print head of Claim 1, wherein the plurality of ejectors are configured to print a solution-processable electronic materials to form an integrated circuit.